

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (Original) A method of evolving an Extensible Markup Language (XML) Schema, the
2 method comprising:
3 receiving, at a schema evolver that is executing in a computer system, a document that
4 indicates one or more changes to be made to a first XML schema;
5 based on said first XML schema and said document, said schema evolver generating a
6 second XML schema; and
7 based on said second XML schema, generating one or more first Structured Query
8 Language (SQL) statements.
- 1 2. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object types to be created.
- 1 3. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object tables to be created.
- 1 4. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object types to be deleted.
- 1 5. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object tables to be deleted.

1 6. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object types to be altered.

1 7. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object tables to be altered.

1 8. (Original) The method of Claim 1, wherein said first SQL statements, when executed,
2 cause one or more database object instances to be altered.

1 9. (Original) The method of Claim 1, wherein said one or more changes are expressed as
2 one or more instances of one or more XML types specified by a third XML schema.

1 10. (Original) The method of Claim 1, further comprising:
2 generating one or more second SQL statements that, when executed, cause effects of
3 said one or more first SQL statements to be reversed.

1 11. (Original) The method of Claim 10, further comprising:
2 determining, while executing said one or more first SQL statements, whether an error
3 has occurred; and
4 in response to determining that an error has occurred, executing one or more of said one
5 or more second SQL statements that, when executed, cause effects of said one or
6 more first SQL statements that have been executed to be reversed.

1 12. (Previously Presented) A method of generating Structured Query Language (SQL)
2 statements to alter database types in a database system that has definition data that
3 defines a set of one or more database object types, the method comprising:
4 receiving a first Extensible Markup Language (XML) schema; and
5 based on said first XML schema, generating one or more SQL statements that, when
6 executed, cause a database server to alter said set of one or more database object
7 types;
8 wherein said one or more database object types were generated based on a second XML
9 schema that differs from said first XML schema.

1 13. (Canceled)

1 14. (Previously Presented) The method of Claim 12, wherein said first XML schema was
2 generated based on said second XML schema.

1 15. (Original) The method of Claim 12, wherein said one or more SQL statements, when
2 executed, cause said database server to create one or more of said one or more database
3 object types.

1 16. (Original) The method of Claim 12, wherein said one or more SQL statements, when
2 executed, cause said database server to delete one or more of said one or more database
3 object types.

1 17. (Canceled)

- 1 18. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 1.
- 1 19. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 2.
- 1 20. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 3.
- 1 21. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 4.
- 1 22. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 5.
- 1 23. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 6.

- 1 24. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 7.
- 1 25. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 8.
- 1 26. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim 9.
- 1 27. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim
4 10.
- 1 28. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim
4 11.
- 1 29. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim
4 12.
- 1 30. (Canceled)

1 31. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim
4 14.

1 32. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim
4 15.

1 33. (Currently Amended) A volatile or non-volatile computer-readable storage medium
2 carrying one or more sequences of instructions which, when executed by one or more
3 processors, causes the one or more processors to perform the method recited in Claim
4 16.

1 34. (Canceled)